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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/608,353	06/27/2003	Harold R. Younger	ABDT-0565/B030140	2879
23377	7590	04/18/2005	EXAMINER	
WOODCOCK WASHBURN LLP ONE LIBERTY PLACE, 46TH FLOOR 1650 MARKET STREET PHILADELPHIA, PA 19103			TRINH, MINH N	
			ART UNIT	PAPER NUMBER
			3729	

DATE MAILED: 04/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/608,353

Applicant(s)

YOUNGER ET AL.

Examiner

Minh Trinh

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 February 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) 21-25 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>11/3/03, 3/3/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Applicant's election without traverse of Group I, claims 1-20 in the reply filed on 2/7/05 is acknowledged. Thus, non-elected claims 21-22 (invention II) and claims 23-25 (invention III) are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected inventions II and III, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 2/7/05.

An Office action on the merits of claims 1-20 as follows:

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

3. Claims 1, 5, 8-10, 15-16 and 18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant Admitted Prior Art (APA) in view of Pataki (4,741,947).

APA (see discussed under the background of the invention, pages 1-2) discloses the method of manufacturing a transformer winding comprising: winding an electrical

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conductor into a first plurality turns (as discussed on page 1, paragraph 0002), winding the electrical conductor into a second plurality of turns over the electrically insulation material (see page 2, paragraph 0003), melting and curing the adhesive is also discussed on page 2, paragraph 0004). APA is silent about the melting and curing the adhesive by energizing the electrical conductor so that a current greater than a rated current of the transformer winding flows through the electrical conductor. However, it would have been an obvious matter of design choice to choose any desired melting and curing the adhesive techniques including the discussed above since applicant has not disclosed that the melting and curing an adhesive as disclosed above is a critical feature and it appears that the invention would perform equally well with the teaching by heat convection oven as disclosed by the prior art reference (see APA, paragraph 0004-0005).

If it is argued the APA does not teach the insulation sheet associated with the adhesive for first and second plurality turns. The Pataki teaches that (see Fig. 2-3) and the discussion at cols. 3-4. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to employ the teaching as described above onto the method invention of APA in order to form a desired product which meets manufacturing requirements.

Limitation of claims 5, 8-10 and 15-16 regarding the step of melting and curing and that as recited in claims 15-16 are also met as discussed above.

As applied to claim 18, the Pataki discloses the limitation of claim 18 (see Fig. 2, depicts epoxy diamond pattern coated on kraft paper like).

As applied to claim 19, it is inherently to form a winding of the first plurality turns around a winding leg of a core of a transformer. Further, it appears that APA's paragraph 0002 discloses such configurations.

As applied to claim 20, regarding the use of "B" stage epoxy adhesive. It is noted that it would have been an obvious matter of design choice to choose any desired adhesive including "B" stage epoxy or the like since applicant has not disclosed that such material as claimed would solve any stated problem or is for any particular purpose and it appears that the invention would perform equally well with the adhesive or bonding epoxy as taught by each of the references (see APA, paragraph 0004).

Allowable Subject Matter

4. Claims 2-4, 6-7, 11-14 and 17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art for their teaching of manufacturing winding on core including transformer or the like.


6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh Trinh whose telephone number is (571) 272-4569. The examiner can normally be reached on Monday -Thursday 8:00 am to 4:30 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on (571) 272-4690. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mt



Minh Trinh 4/13/05
Primary Examiner